| Electronic Acknowledgement Receipt   |  |  |  |  |
|--------------------------------------|--|--|--|--|
| EFS ID:                              | 5736592                                    |  |  |  |
| Application Number:                  | 10576693                                   |  |  |  |
| International Application Number:    |  |  |  |  |
| Confirmation Number:                 | 1952                                       |  |  |  |
| Title of Invention:                  | Method for Screening Genomic Dna Fragments |  |  |  |
| First Named Inventor/Applicant Name: | Tomoaki Kubo                               |  |  |  |
| Customer Number:                     | 02292                                      |  |  |  |
| Filer:                               | Susan W. Gorman./Alison Lalonde            |  |  |  |
| Filer Authorized By:                 | Susan W. Gorman.                           |  |  |  |
| Attorney Docket Number:              | 0230-0238PUS1                              |  |  |  |
| Receipt Date:                        | 20-JUL-2009                                |  |  |  |
| Filing Date:                         | 26-JAN-2007                                |  |  |  |
| Time Stamp:                          | 20:15:13                                   |  |  |  |
| Application Type:                    | U.S. National Stage under 35 USC 371       |  |  |  |

## **Payment information:**

| Submitted with Payment                   | yes             |
|--|-----------------|
| Payment Type                             | Deposit Account |
| Payment was successfully received in RAM | \$2386          |
| RAM confirmation Number                  | 5935            |
| Deposit Account                          | 022448          |
| Authorized User                          |                 |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. 1.492 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

| Charge             | any Additional Fees required under 37 C.F.       | R. Section 1.19 (Document supply | fees)  |                     |                     |
|--------------------|--|----------------------------------|--|---------------------|---------------------|
| File Listing       | g:   |                                  |  |                     |                     |
| Document<br>Number | Document Description                             | File Name                        | File Size(Bytes)/<br>Message Digest                      | Multi<br>Part /.zip | Pages<br>(if appl.) |
| 1                  | T  | 200007205 Turus ittel df         | 122502   |                     | 1                   |
| 1                  | Transmittal Letter                               | 20090720FeeTransmittal.pdf       | e8ae92f5ac6f8cdb2b6c6a3bc5c90e639c96<br>8075             | no                  | 1                   |
| Warnings:          |  |                                  |  | '                   |                     |
| Information:       |  |                                  |  |                     |                     |
| 2                  | Extension of Time                                | 20090720EOT.pdf                  | 100190   | no                  | 1                   |
| _                  |  |                                  | ccf750c8042b8c48b2c504986a379005352<br>78ca4             |                     |                     |
| Warnings:          |  |                                  |  |                     |                     |
| Information:       |  |                                  |  |                     |                     |
| 3                  | Transmittal Letter                               | 20090720 Amend Transmittal.      | 100535   | no                  | 1                   |
| ,                  | mansmittal Ectter                                | pdf                              | abd6541ede299f10014d4f95ad96660408c<br>3556f             |                     | ·                   |
| Warnings:          |  |                                  |  |                     |                     |
| Information:       |  |                                  |  |                     |                     |
| 4                  |  | 200027204                        | 1623980  | Voc                 | 20                  |
| 4                  |  | 20090720Amendment.pdf            | 826a761771e60e0eb195727ffcc5973d4298<br>aea2             | yes                 | 20                  |
|                    | Multip   | art Description/PDF files in .   | zip description  | <u>.</u>            |                     |
|                    | Document Des                                     | scription                        | Start  | Eı                  | nd                  |
|                    | Amendment/Req. Reconsiderati                     | on-After Non-Final Reject        | 1  |                     | 1                   |
|                    | Drawings-only black and v                        | white line drawings              | 2  |                     | 2                   |
|                    | Claims   |                                  | 3  | 10                  |                     |
|                    | Applicant Arguments/Remarks Made in an Amendment |                                  | 11   | 20                  |                     |
| Warnings:          |  |                                  |  |                     |                     |
| Information:       |  |                                  |  |                     |                     |
| 5                  | Miscellaneous Incoming Letter                    | 200808200EP pdf                  | 329328   | no                  | 3                   |
| , ,                | Miscellaneous incoming Letter                    | 200808290FR.pdf                  | d91768cea418241aef8af4b4a8143d903f34<br>a500             | no<br>no            | J                   |
| Warnings:          |  |                                  |  | '                   |                     |
| Information:       |  |                                  |  |                     |                     |
| 6                  | Drawings-only black and white line<br>drawings   | 20090716 Replacement Fig 3.pdf   | <b>2288755</b> 1cf3001c12ec15132b885a6398beac3055b d39b5 | no                  | 1                   |
| Warnings:          |  |                                  |  | '                   |                     |
| Information:       |  |                                  |  |                     |                     |

| 7   | Drawings-only black and white line  | 20090716ReplacementFig7.pdf  | 2286084  | no                        | 1                  |
|---|---|--|--|---------------------------|--------------------|
| ,   | drawings  | 20050, Totteplacee.id 19, ipol   | bbfdfe59d0064483d11494e07d502eac5b2<br>cb01e   |                           |                    |
| Warnings:   |   |  |  |                           |                    |
| Information:  |   |  |  |                           |                    |
| 8   | Transmittal Letter  | 20090720IDS.pdf  | 414025   | no                        | 5                  |
|   |   | ·  | b050d41d6bdd6535e04d0509dc6af21bd4<br>1ba55e   |                           |                    |
| Warnings:   |   |  |  |                           |                    |
| Information:  |   |  |  |                           |                    |
| 9   | Information Disclosure Statement (IDS)<br>Filed (SB/08)   | 20090720SB08.pdf   | 183696   | no                        | 2                  |
|   | Thea (35,00)  |  | 88467957be88adac63cdced4e0e7dfe2bc8<br>b95f7   |                           |                    |
| Warnings:   |   |  |  |                           |                    |
| Information:  |   |  |  |                           |                    |
| This is not an U  | SPTO supplied IDS fillable form   |  |  |                           |                    |
| 10  | Foreign Reference   | JP000010155485AA_1.pdf   | 15518  | no                        | 1                  |
| 10  | Torcigimererence  | 31 0000 10 133 1037 W_1.pul  | c06212c7ecf1653bda75cd4850ae2ea3e2e<br>b623f   |                           |                    |
| Warnings:   |   |  |  |                           |                    |
| Information:  |   |  |  |                           |                    |
| 11  | Foreign Reference   | WO03018808A.pdf  | 856356   | no                        | 30                 |
|   | _   | ·  | d35213f832484fde18f22b80d73fc039dbef   |                           | 30                 |
|   |   |  | 6cfb   |                           |                    |
| Warnings:   |   |  | 6cfb   |                           |                    |
| The page size ir  | n the PDF is too large. The pages should be<br>pper and may affect subsequent processing  |  |  | sized upon er             | ntry into th       |
| The page size ir<br>Image File Wra  | pper and may affect subsequent processing   |  |  | sized upon er             | ntry into th       |
| The page size ir<br>Image File Wra<br>Information:  | pper and may affect subsequent processing   | 9  |  |                           |                    |
| The page size ir<br>Image File Wra  | pper and may affect subsequent processing   |  | tted, the pages will be re   | sized upon er<br>no       | ntry into th       |
| The page size ir<br>Image File Wra<br>Information:  | pper and may affect subsequent processing   | 9  | 628850   |                           |                    |
| The page size ir Image File Wraph Information:  12  Warnings: The page size ir  | pper and may affect subsequent processing   | EP1431392A1.pdf  8.5 x 11 or A4. If this PDF is submi  | 628850 6286705d4d5f24fadf0903c9d710d6b   | no                        | 19                 |
| The page size ir Image File Wraph Information:  12  Warnings: The page size ir  | Foreign Reference  Foreign Reference  the PDF is too large. The pages should be pper and may affect subsequent processing   | EP1431392A1.pdf  8.5 x 11 or A4. If this PDF is submi  | 628850 6286705d4d5f24fadf0903c9d710d6b   | no                        | 19                 |
| The page size ir Image File Wrap Information:  12  Warnings: The page size ir Image File Wrap   | Foreign Reference  Foreign Reference  the PDF is too large. The pages should be pper and may affect subsequent processing   | EP1431392A1.pdf  8.5 x 11 or A4. If this PDF is submi  | 628850  628850  faa05e9c8705d4d5f24fadf0903c9d710d6b 8982  tted, the pages will be res | no                        | 19                 |
| The page size ir Image File Wrap Information:  12  Warnings: The page size ir Image File Wrap   | Foreign Reference  Foreign Reference  the PDF is too large. The pages should be pper and may affect subsequent processing   | EP1431392A1.pdf  8.5 x 11 or A4. If this PDF is submi  | 628850 6286705d4d5f24fadf0903c9d710d6b   | no                        | 19                 |
| The page size ir Image File Wraph Information:  12  Warnings: The page size ir Image File Wraph Image File Wraph Information:                             | Foreign Reference  Foreign Reference  the PDF is too large. The pages should be pper and may affect subsequent processing   | EP1431392A1.pdf  8.5 x 11 or A4. If this PDF is submi  | 628850  faa05e9c8705d4d5f24fadf0903c9d710d6b 8982  tted, the pages will be res         | no<br>sized upon er       | 19                 |
| The page size ir Image File Wraph Information:  12  Warnings: The page size ir Image File Wraph Information:  13  Warnings: The page size ir Imformation: | Foreign Reference  Foreign Reference  the PDF is too large. The pages should be pper and may affect subsequent processing   | EP1431392A1.pdf  8.5 x 11 or A4. If this PDF is submi  Ott1990.pdf  8.5 x 11 or A4. If this PDF is submi | 628850 628850 faa05e9c8705d4d5f24fadf0903c9d710d6b 8982 tted, the pages will be res    | no<br>sized upon er<br>no | 19<br>ntry into th |
| The page size ir Image File Wraph Information:  12  Warnings: The page size ir Image File Wraph Information:  13  Warnings: The page size ir Imformation: | Foreign Reference  Foreign Reference  In the PDF is too large. The pages should be pper and may affect subsequent processing  NPL Documents  In the PDF is too large. The pages should be pper and may affect subsequent processing | EP1431392A1.pdf  8.5 x 11 or A4. If this PDF is submi  Ott1990.pdf  8.5 x 11 or A4. If this PDF is submi | 628850 628850 faa05e9c8705d4d5f24fadf0903c9d710d6b 8982 tted, the pages will be res    | no<br>sized upon er<br>no | 19<br>ntry into th |

| are cue vytatitiet à   | and may affect subsequent processing   |  | bmitted, the pages will be resiz   |                  | ,              |
|--|--|--|--|------------------|----------------|
|  | and may affect subsequent processing   |  |  |                  |                |
| Information:   |  |  |  |                  |                |
| 15   | NPL Documents  | He2003.pdf   | 904284   | no               | 9              |
|  |  |  | f51f6b8fe4ba792b110806c6749802795e5e<br>d7ce   |                  |                |
| Warnings:  |  |  |  |                  |                |
|  | PDF is too large. The pages should be<br>and may affect subsequent processing                            |  | bmitted, the pages will be resiz   | ed upon er       | itry into      |
| Information:   |  |  |  |                  |                |
| 16   | NDI D  | , , , , , , , , , , , , , , , , , , ,  | 463041   |                  | -              |
| 16   | NPL Documents  | Jordan 2002. pdf   | 97f8a9d7f856efce24e871efa350cedcd0002<br>128   | no               | 7              |
| Warnings:  | <u>'</u>   |  |  | I                |                |
|  | PDF is too large. The pages should be<br>and may affect subsequent processing                            |  | bmitted, the pages will be resiz   | ed upon er       | itry into      |
| Information:   |  |  |  |                  |                |
| 17   | NPL Documents  | Dairi2000.pdf  | 580384   | no               | 8              |
|  |  | Daini2000.pdi  |  | IIU              |                |
|  |  | ·  | f0c662a9b2ce2d131896723171b8b046655<br>00f9a   |                  |                |
| Warnings:  |  | ·<br>  |  |                  |                |
| The page size in the<br>Image File Wrapper a   | PDF is too large. The pages should be<br>and may affect subsequent processing                            | 8.5 x 11 or A4. If this PDF is sul   | 00f9a  | ed upon er       | itry into      |
| The page size in the   |  | 8.5 x 11 or A4. If this PDF is sul   | 00f9a  | ed upon er       | itry into      |
| The page size in the Image File Wrapper a  | and may affect subsequent processing   | 8.5 x 11 or A4. If this PDF is sul   | 00f9a  |                  |                |
| The page size in the<br>Image File Wrapper a   |  | 8.5 x 11 or A4. If this PDF is sul   | bmitted, the pages will be resiz   | ed upon er       |                |
| The page size in the Image File Wrapper a  | and may affect subsequent processing   | 8.5 x 11 or A4. If this PDF is sul   | 517588  5481b8f3b8a1ce36245df1a5e48d2644f131   |                  |                |
| The page size in the Image File Wrapper a Information:  18  Warnings: The page size in the   | and may affect subsequent processing   | 8.5 x 11 or A4. If this PDF is sul<br>Klee1987.pdf<br>8.5 x 11 or A4. If this PDF is sul | 517588  5481b8f3b8a1ce36245df1a5e48d2644f131   | no               | 6              |
| The page size in the Image File Wrapper a Information:  18  Warnings: The page size in the   | NPL Documents  PDF is too large. The pages should be   | 8.5 x 11 or A4. If this PDF is sul<br>Klee1987.pdf<br>8.5 x 11 or A4. If this PDF is sul | 517588  5481b8f3b8a1ce36245df1a5e48d2644f131   | no               | 6              |
| The page size in the Image File Wrapper a Information:  18  Warnings: The page size in the Image File Wrapper a Information:                             | NPL Documents  PDF is too large. The pages should be and may affect subsequent processing                | 8.5 x 11 or A4. If this PDF is sul<br>Klee1987.pdf  8.5 x 11 or A4. If this PDF is sul   | 517588  5481b8f3b8a1ce36245df1a5e48d2644f131   | no<br>ed upon er | etry into      |
| The page size in the Image File Wrapper a Information:  18  Warnings: The page size in the Image File Wrapper a  | NPL Documents  PDF is too large. The pages should be   | 8.5 x 11 or A4. If this PDF is sul<br>Klee1987.pdf<br>8.5 x 11 or A4. If this PDF is sul | bmitted, the pages will be resiz  517588  5481b8f3b8a1ce36245df1a5e48d2644f131 13eb  bmitted, the pages will be resiz  | no               | etry into      |
| The page size in the Image File Wrapper a Information:  18  Warnings: The page size in the Image File Wrapper a Information:                             | NPL Documents  PDF is too large. The pages should be and may affect subsequent processing                | 8.5 x 11 or A4. If this PDF is sul<br>Klee1987.pdf  8.5 x 11 or A4. If this PDF is sul   | 517588  517588  5481b8f3b8a1ca36245df1a5e48d2644f131 13eb  bmitted, the pages will be resiz  | no<br>ed upon er | 6              |
| The page size in the Image File Wrapper a Information:  18  Warnings: The page size in the Image File Wrapper a Information:  19  Warnings:              | NPL Documents  PDF is too large. The pages should be and may affect subsequent processing                | 8.5 x 11 or A4. If this PDF is sul<br>Klee1987.pdf  8.5 x 11 or A4. If this PDF is sul   | 517588  517588  5481b8f3b8a1ca36245df1a5e48d2644f131 13eb  bmitted, the pages will be resiz  | no<br>ed upon er | 6<br>utry into |
| The page size in the Image File Wrapper a Information:  18  Warnings: The page size in the Image File Wrapper a Information:  19  Warnings: Information: | NPL Documents  PDF is too large. The pages should be and may affect subsequent processing  NPL Documents | 8.5 x 11 or A4. If this PDF is sul<br>Klee1987.pdf  8.5 x 11 or A4. If this PDF is sul   | 517588  517588  5481b8f3b8a1ca36245df1a5e48d2644f131 13eb  bmitted, the pages will be resiz  | no<br>ed upon er | otry into      |
| The page size in the Image File Wrapper a Information:  18  Warnings: The page size in the Image File Wrapper a Information:  19  Warnings:              | NPL Documents  PDF is too large. The pages should be and may affect subsequent processing                | 8.5 x 11 or A4. If this PDF is sul<br>Klee1987.pdf  8.5 x 11 or A4. If this PDF is sul   | 517588  5181b8f3b8a1ce36245df1a5e48d2644f131 13eb  bmitted, the pages will be resiz  bmitted, the pages will be resiz  103988  8c45215731dab975d8c4981391aeba5ff82a bd7e                     | no<br>ed upon er | otry into      |
| The page size in the Image File Wrapper a Information:  18  Warnings: The page size in the Image File Wrapper a Information:  19  Warnings: Information: | NPL Documents  PDF is too large. The pages should be and may affect subsequent processing  NPL Documents | 8.5 x 11 or A4. If this PDF is sul<br>Klee1987.pdf  8.5 x 11 or A4. If this PDF is sul   | 517588  517588  5481b8f3b8a1ca36245df1a5e48d2644f131 13eb  bmitted, the pages will be resiz  103988  8c45215731dab975d8c4981391aeba5ff82a bd7e  1153327  da7cfae7383a4d19881ed25c42591e1c1eb | no<br>ed upon er | 6<br>utry into |

| 21 NPL Documents | NPL Documents   | Song2003.pdf      | 4564994                                      | no            | 6             |
|------------------|---|-------------------|--|---------------|---------------|
| 21               | Ni L Documents  | 3011g2003.pdi     | 9aadc0833388b4efe2296d17bacf7b5426c2<br>ac1f | 110           |               |
| Warnings:        |   |                   | ·  |               | •             |
|                  | he PDF is too large. The pages should be<br>er and may affect subsequent processing |                   | mitted, the pages will be re                 | sized upon er | ntry into the |
| Information:     |   |                   |  |               |               |
| 22               | NDI Desuments   | Schwartz 1973.pdf | 349142                                       | no            | 4             |
| 22               | NPL Documents   | Schwartz1973.pdf  | fe452c10f3886ad22d90779b7ee557ee1bf4<br>c538 | no            | 4             |
| Warnings:        |   |                   | •  |               | •             |
|                  | he PDF is too large. The pages should be<br>er and may affect subsequent processing |                   | mitted, the pages will be re                 | sized upon er | ntry into the |
| Information:     |   |                   |  |               |               |
| 22               | ND D  | 11 III 14000 IF   | 1044330                                      |               | _             |
| 23               | NPL Documents   | Hollick 1998. pdf | 304492fd16bf6bfd03638e7dd0212e76508<br>d8d01 | no            | 7             |
| Warnings:        | <u> </u>  |                   | l  |               | l             |
|                  | he PDF is too large. The pages should be<br>er and may affect subsequent processing |                   | mitted, the pages will be re                 | sized upon er | ntry into the |
| Information:     |   |                   |  |               |               |
|                  | NDI Documents   | Stuber 1994. pdf  | 1035286                                      | no            | 14            |
| 24               | NPL Documents   | Stuber 1994.pur   | 1b765092dff4684bddaa4901efde9b14f490<br>4363 |               |               |
| Warnings:        |   |                   | ·  |               | •             |
| Information:     |   |                   |  |               |               |
| 25               | NPL Documents   | Li2000.pdf        | 1426538                                      | no            | 22            |
| 25               | Ni E Documents  | L12000.pu1        | 9405168673e9f19f31fe0b370bcc8167a87f<br>47df | 110           |               |
| Warnings:        |   |                   | ·  |               |               |
| Information:     |   |                   |  |               |               |
| 26               | NPL Documents   | Liu1999.pdf       | 2455013                                      | no<br>3       | 6             |
| 20               | NFL Documents   | Liu 1999.pui      | fdd947a2a85c077da56a555aedb6a5446d3<br>541d7 |               |               |
| Warnings:        |   |                   | ·  |               | •             |
|                  | he PDF is too large. The pages should be<br>er and may affect subsequent processing |                   | mitted, the pages will be re                 | sized upon er | ntry into the |
| Information:     |   |                   |  |               |               |
| 27               | NDI December  | V 4000 V          | 613211                                       |               | _             |
| 27               | NPL Documents   | Ku1999.pdf        | 2cbe2fb2e8096176d10e82376993e93f617<br>47b1b | no            | 5             |
| Warnings:        |   |                   |  |               |               |
|                  | he PDF is too large. The pages should be<br>er and may affect subsequent processing |                   | mitted, the pages will be re                 | sized upon er | ntry into the |
| Information:     | · · · · · ·   |                   |  |               |               |
|                  |   |                   |  |               |               |

| 28 NPL Docume | NPL Documents  | Shibata 2000.pdf            | 326851                                       | no            | 4             |
|---------------|--|-----------------------------|--|---------------|---------------|
| 20            | NPL Documents  |                             | 7c8d80686eb7556fb0f7756deee7016820e<br>e771f |               |               |
| Warnings:     |  |                             |  |               |               |
|               | n the PDF is too large. The pages should be<br>pper and may affect subsequent processing |                             | tted, the pages will be re                   | sized upon er | ntry into the |
| Information   | <b>!</b>   |                             |  |               |               |
| 29            | NPL Documents  | PlantGenePg147.pdf          | 374070                                       | no            | 3             |
| 27            | W E Bocaments  | riantGenerg 147.pdf         | 44c781c6f064e70b6817a83ab513b7480be<br>c251f | no            |               |
| Warnings:     |  |                             |  |               |               |
|               | n the PDF is too large. The pages should be<br>pper and may affect subsequent processing |                             | tted, the pages will be re                   | sized upon er | ntry into the |
| Information   | •  |                             |  |               |               |
| 30            | Fee Worksheet (PTO-875)  | fee-info.pdf                | 34014  | no            | 2             |
|               | ,  | ree mo.par                  | 4de987a26b0e8975b4918043ac06624a5b0<br>6e70d |               | _             |
| Warnings:     |  |                             |  |               |               |
| Information   | 1  |                             |  |               |               |
|               |  | Total Files Size (in bytes) | 260  | 597428        |               |

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

## New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

## National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

## New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.